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U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF ANIMAL INDUSTRY.—CIRCULAR 134 (Revised).

A. D. MELVIN, CHIEF OF BUREAU.

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[September 1, 1909.]

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ANNUAL REPORTS OF THE BUREAU.

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First Annual Report for the Year 1884. Price 65 cents.
Second Annual Report for the Year 1885. Price 65 cents.
Third Annual Report for the Year 1886. Price 50 cents.
Fourth and Fifth Annual Reports for the Years 1887 and 1888. Price 65 cents.
Sixth and Seventh Annual Reports for the Years 1889 and 1890. Price 40 cents.
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Fourteenth Annual Report for the Year 1897. Price 65 cents.
Fifteenth Annual Report for the Year 1898. Price 75 cents.
Sixteenth Annual Report for the Year 1899. Price 85 cents.
Seventeenth Annual Report for the Year 1900. Price 85 cents.
Eighteenth Annual Report for the Year 1901. Price 90 cents.
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Twentieth Annual Report for the Year 1903. Price 50 cents.
Twenty-first Annual Report for the Year 1904. Price 55 cents.
Twenty-second Annual Report for the Year 1905. Price 50 cents.
Twenty-third Annual Report for the Year 1906. Price 60 cents.
Twenty-fourth Annual Report for the Year 1907. Price 85 cents.

ANNUAL REPORTS OF THE CHIEF OF THE BUREAU.

These are administrative reports in pamphlet form and are included in the Bureau Annual Reports listed above. They can be supplied for the following fiscal years: 1889, 1890, 1891, 1892, 1895, 1896, 1897, 1899, 1900, 1901, 1902, 1905, 1906, 1908.

LIVE STOCK—BREEDING, FEEDING, ETC.

CATTLE.

Bulletin 34. American Breeds of Beef Cattle, with Remarks on Pedigrees. Price 20 cents.
Bulletin 41. Mexico as a Market for Purebred Beef Cattle from the United States. Price 10 cents.
Bulletin 103. Experiments in Beef Production in Alabama. Price 10 cents.
Bulletin 106. Experiments on the Digestibility of Prickly Pear by Cattle. Price 10 cents.
Circular 37. Preliminary Report on Argentina as a Market for Purebred Cattle from the United States.
Circular 105. Baby Beef.
Farmers' Bulletin 55. The Dairy Herd—Its Formation and Management.
Farmers' Bulletin 71. Some Essentials in Beef Production.
Farmers' Bulletin 106. Breeds of Dairy Cattle.
Farmers' Bulletin 350. The Dehorning of Cattle.
Breeds of Dairy Cattle. (Reprint from Fifteenth Annual Report.)

HORSES.

Bulletin 37. Market Classes of Horses. Price 15 cents.
Circular 87. Hunter Horse Production in Ireland.
Circular 113. Classification for American Carriage Horses.
Circular 124. Suggestions for Horse and Mule Raising in the South.
Circular 137. The Preservation of Our Native Types of Horses. (Reprint from Twenty-fourth Annual Report.)
Farmers' Bulletin 170. Principles of Horse Feeding. (Prepared by the Office of Experiment Stations.)
Farmers' Bulletin 179. Horseshoeing.
Government Encouragement of Imported Breeds of Horses. (Reprint from Twenty-second Annual Report.)

HOGS.

Bulletin 47. The Hog Industry. Price 30 cents.
Circular 63. A Review of Some Experimental Work in Pig Feeding.
Circular 95. The Fecundity of Poland-China and Duroc-Jersey Sows.
Farmers' Bulletin 100. Hog Raising in the South.
Farmers' Bulletin 205. Pig Management.
The Danish Hog Industry. (Reprint from Twenty-third Annual Report.)

SHEEP AND GOATS.

Bulletin 27 (Revised). Information Concerning the Angora Goat. Price 15 cents.
Bulletin 68. Information Concerning the Milch Goats. Price 15 cents.
Circular 42. Information Concerning Common Goats.
Farmers' Bulletin 49. Sheep Feeding. (Prepared by the Office of Experiment Stations.)
Farmers' Bulletin 96. Raising Sheep for Mutton.
Farmers' Bulletin 137. The Angora Goat.
Sheep Ranching in the Western States. (Reprint from Nineteenth Annual Report.)

MISCELLANEOUS.

Bulletin 48. The Animal Industry of Argentina. Price 20 cents.
Bulletin 51. The Available Energy of Timothy Hay. (Experiments with the Respiration Calorimeter.) Price 10 cents.
Bulletin 61. The Score Card in Stock Judging at Agricultural Colleges. Price 25 cents.
Bulletin 64. State Stock Breeders' Associations. Price 5 cents.
Bulletin 74. Energy Values of Red Clover Hay and Maize Meal. (Experiments with the Respiration Calorimeter.) Price 5 cents.
Bulletin 76. The Score Card in Stock Breeding. Price 5 cents.
Bulletin 77. Cattle, Sheep, and Hog Feeding in Europe. Price 5 cents.
Bulletin 101. The Available Energy of Red Clover Hay. (Experiments with the Respiration Calorimeter.) Price 10 cents.
Bulletin 108. Feeding for Meat Production. Price 10 cents.

Farmers' Bulletin 22. The Feeding of Farm Animals. (Prepared by the Office of Experiment Stations.)
Farmers' Bulletin 346. The Computation of Rations for Farm Animals by the Use of Energy Values.
Notes on the Animal Industry of Porto Rico. (Reprint from Sixteenth Annual Report.)

DISEASES OF ANIMALS.

CATTLE.

(See also Tuberculosis.)

Special Report on Diseases of Cattle. Price, 1904 edition, 65 cents; 1908 edition, $1.
Bulletin 54. Laws (Federal, State, and Territorial) Relating to Contagious and Infectious Diseases of Animals, 1902 and 1903. Price 5 cents.
Bulletin 78. Texas Fever, with Methods for Its Prevention. Price 10 cents.
Bulletin 97. Proceedings of a Conference of Federal and State Representatives to Consider Plans for the Eradication of the Cattle Tick, held at Nashville, Tenn., December 5 and 6, 1906. Price 15 cents.
Circular 23. Directions for the Use of Blackleg Vaccine.
Circular 28. Letters Relating to the Distribution of Vaccine.
Circular 31. Blackleg: Its Nature, Cause, and Prevention.
Circular 51. Mycotic Stomatitis of Cattle.
Circular 65. Ophthalmia in Cattle.
Circular 66. Osteomalacia, or Creeps, in Cattle.
Circular 67. Abortion, or Slinking the Calf.
Circular 68. Diseases of the Stomach and Bowels of Cattle.
Circular 69. Texas Fever, or Southern Cattle Fever.
Circular 70. Tuberculosis of Cattle.
Circular 96. Actinomycosis, or Lumpy Jaw.
Circular 97. How to Get Rid of Cattle Ticks.
Circular 110. Methods of Eradicating Cattle Ticks.
Circular 118. The Unsuspected but Dangerously Tuberculous Cow.
Circular 127. Tubercle Bacilli in Butter: Their Occurrence, Vitality, and Significance.
Circular 148. A Practical Demonstration of a Method of Controlling the Cattle Tick.
Farmers' Bulletin 152. Scabies in Cattle.
Farmers' Bulletin 206. Milk Fever: Its Simple and Successful Treatment.
Farmers' Bulletin 258. Texas or Tick Fever and Its Prevention.
Farmers' Bulletin 261. The Cattle Tick in Its Relation to Southern Agriculture.
Farmers' Bulletin 351. The Tuberculin Test of Cattle for Tuberculosis.
Farmers' Bulletin 378. Methods of Exterminating the Texas Fever Tick. (In press.)
Blackleg in the United States and the Distribution of Blackleg Vaccine by the Bureau of Animal Industry. (Reprint from Fourteenth Annual Report.)
Experiments with Texas Fever and Southern Cattle Ticks. (Reprint from Sixteenth Annual Report.)
Notes on the Cattle Tick and Texas Fever, and the Persistence of Texas Fever in the Blood of Southern Cattle. (Reprint from Twenty-second Annual Report.)

HORSES.

Special Report on Diseases of the Horse. Price 65 cents.
Circular 78. Glanders and Farcy.
Circular 121. Osteoporosis or Bighead of the Horse.
Circular 122. Epizootic Cerebro-Spinal Meningitis of Horses.
Circular 138. Infectious Anemia or Swamp Fever of Horses.
Dermal Mycosis Associated with Sarcoptic Mange in Horses. (Reprint from Twenty-fourth Annual Report.)

HOGS.

(See also Tuberculosis.)

Bulletin 72. The Etiology of Hog Cholera. Price 10 cents.
Bulletin 88. The Tuberculin Test of Hogs and Some Methods of Their Infection with Tuberculosis. Price 10 cents.
Bulletin 102. Further Experiments Concerning the Production of Immunity from Hog Cholera. Price 15 cents.
Bulletin 113. Filtration Experiments with *Bacillus choleræ suis*. Price 10 cents.

Circular 41. A Form of Hog Cholera not Caused by the Hog Cholera Bacillus.
Circular 108. Trichinosis: A Danger in the Use of Raw Pork for Food.
Circular 144. Tuberculosis of Hogs: Its Cause and Suppression. (Reprint from Twenty-fourth Annual Report.)
Office of the Secretary, Circular 27. Tests of Bruschettini's Hog Cholera Vaccine and Bruschettini's Hog Cholera and Swine Plague Serum.
Farmers' Bulletin 24. Hog Cholera and Swine Plague.
Embryonal Adenosarcoma of the Kidney in Swine. (Reprint from Twenty-fourth Annual Report.)
Recent Work of the Bureau of Animal Industry Concerning the Cause and Prevention of Hog Cholera. (Separate 484 from Department Yearbook, 1908.)

SHEEP AND GOATS.

Bulletin 21 (Revised). Sheep Scab: Its Nature and Treatment. Price 15 cents.
Bulletin 45. Takosis, a Contagious Disease of Goats. Price 10 cents.
Bulletin 63. Foot Rot of Sheep: Its Nature, Cause, and Treatment. Price 10 cents.
Bulletin 66. The Gid Parasite: Its Presence in American Sheep. Price 5 cents.
Circular 94. Foot Rot of Sheep.
Circular 102. Stomach Worms (*Hæmonchus contortus*) in Sheep.
Farmers' Bulletin 159. Scab in Sheep.
The Nature, Cause, and Economic Importance of Ovine Caseous Lymphadenitis. (Reprint from Sixteenth Annual Report.)

TUBERCULOSIS.

Bulletin 7. Investigations Concerning Bovine Tuberculosis, with Special Reference to Diagnosis and Prevention. Price 15 cents.
Bulletin 28. Legislation with Reference to Bovine Tuberculosis. (1901.) Price 10 cents.
Bulletin 32. The Tuberculin Test of Imported Cattle. Price 5 cents.
Bulletin 33. Relation of Bovine Tuberculosis to the Public Health. Price 5 cents.
Bulletin 38. Tuberculosis of the Food-Producing Animals. Price 40 cents.
Bulletin 44. Infectiveness of Milk of Cows which have Reacted to the Tuberculin Test. Price 10 cents.
Bulletin 52. Experiments Concerning Tuberculosis.

Part I. The Virulence of Human and Bovine Tubercle Bacilli for Guinea Pigs and Rabbits. Price 10 cents.
Part II. The Comparative Virulence of Human and Bovine Tubercle Bacilli for Some Large Animals. Price 65 cents.
Part III. Studies in Immunity from Tuberculosis, and The Persistence of Tubercle Bacilli in Tissues of Animals After Injection. Price 5 cents.

Bulletin 53. Reports on Bovine Tuberculosis and the Public Health. Price 5 cents.
Bulletin 86. Experiments with Milk Artificially Infected with Tubercle Bacilli. Price 10 cents.
Bulletin 88. The Tuberculin Test of Hogs and Some Methods of Their Infection with Tuberculosis. Price 10 cents.
Bulletin 93. The Relation of Tuberculous Lesions to the Mode of Infection. Price 5 cents.
Bulletin 96. A Comparative Study of Tubercle Bacilli from Varied Sources. Price 40 cents.
Bulletin 99. The Danger from Tubercle Bacilli in the Environment of Tuberculous Cattle. Price 5 cents.
Bulletin 116. Tests Concerning Tubercle Bacilli in the Circulating Blood. Price 5 cents.
Circular 70. Tuberculosis of Cattle.
Circular 118. The Unsuspected but Dangerously Tuberculous Cow.
Circular 127. Tubercle Bacilli in Butter: Their Occurrence, Vitality, and Significance.
Circular 144. Tuberculosis of Hogs: Its Cause and Suppression. (Reprint from Twenty-fourth Annual Report.)
The Susceptibility of Tubercle Bacilli to Modification. (Reprint from Twenty-third Annual Report.)
Some Facts About Tuberculous Cattle. (Separate 476 from Department Yearbook, 1908.)

MISCELLANEOUS.

Bulletin 67. Necrotic Stomatitis, with Special Reference to Its Occurrence in Calves (Calf Diphtheria) and Pigs (Sore Mouth). Price 10 cents.
Circular 71. Anthrax in Cattle, Horses, and Men.

Circular 89. The Preparation of Emulsions of Crude Petroleum.
Circular 109. Quail Disease in the United States.
Circular 120. Some Observations on Rabies.
Circular 129. Rabies and Its Increasing Prevalence.
Circular 141. Foot-and-Mouth Disease.
Circular 147. The Origin of the Recent Outbreak of Foot-and-Mouth Disease in the United States.
Verminous Diseases of Cattle, Sheep, and Goats in Texas. (Reprint from Seventeenth Annual Report.)
Further Investigations on Verminous Diseases of Cattle, Sheep, and Goats in Texas. (Reprint from Eighteenth Annual Report.)

ANIMAL PARASITES.

Bulletin 19. The Inspection of Meats for Animal Parasites. Price 10 cents.
Bulletin 35. Eleven Miscellaneous Papers on Animal Parasites. Price 10 cents.
Bulletin 39. Index-Catalogue of Medical and Veterinary Zoology.

Part 1. Authors: A to Azevedo. (Out of print.)
Part 2. Authors: B to Buxton. Price 10 cents.
Part 3. Authors: C to Czygan. Price 10 cents.
Part 4. Authors: D to Dziembowski. Price 5 cents.
Part 5. Authors: E to Eyssel. Price 5 cents.
Part 6. Authors: F to Fynney. Price 5 cents.
Part 7. Authors: G to Gmelin. Price 5 cents.
Part 8. Authors: Gobée to Gyser. Price 5 cents.
Part 9. Authors: H to Heim. Price 5 cents.
Part 10. Authors: Heim to Hyrtl. Price 5 cents.
Part 11. Authors: I to a Juvattis. Price 5 cents.
Part 12. Authors: K to Kohl. Price 5 cents.
Part 13. Authors: Kohl to Kynsey. Price 5 cents.
Part 14. Authors: L to Léger. Price 10 cents.
Part 15. Authors: Legg to van der Linden. Price 10 cents.
Part 16. Authors: von Linden to Lyutkevich. Price 10 cents.
Part 17. Authors: M to Martirana. Price 10 cents.
Part 18. Authors: Martius to Mitrofanow. Price 10 cents.
Part 19. Authors: Mitschein to Myrepsus. Price 10 cents.
Part 20. Authors: N to Nyström. Price 15 cents.
Part 21. Authors: O to Ozzard. Price 10 cents.
Part 22. Authors: P to Pfeilsticker. Price 15 cents.
Part 23. Authors: Pfender to Qvortrup. Price 15 cents.

Bulletin 60. Manson's Eyeworm of Chickens. Price 20 cents.
Bulletin 66. The Gid Parasite (*Cœnurus cerebralis*): Its Presence in American Sheep. Price 5 cents.
Bulletin 79. The Determination of Generic Types, with a list of Roundworm Genera, with Their Original and Type Species. Price 5 cents.
Circular 14. Check List of the Animal Parasites of Geese.
Circular 15. Check List of the Animal Parasites of Pigeons.
Circular 98. Some Unusual Host Relations of the Texas Fever Tick.
Circular 102. Stomach Worms (*Hæmonchus contortus*) in Sheep.
Circular 116. Notes on Parasitic Nematodes, including Descriptions of New Genera, with Observations on Life Histories.
Our Present Knowledge of the Kidneyworm of Swine. (Reprint from Sixteenth Annual Report.)
The Significance of the Recent American Cases of Hookworm in Man. (Reprint from Eighteenth Annual Report.)
Frogs, Toads, and Carp as Eradicators of Fluke Disease. (Reprint from Eighteenth Annual Report.)

(See also the following publications under "Diseases of Animals:" Bulletins 21, 78, 97; Circulars 69, 97, 110; Farmers' Bulletins 152, 159, and reprints from Annual Reports.)

THE DAIRY INDUSTRY.

GENERAL.

Bulletin 24. Notes Upon Dairying in California and the Export of California Butter to the Orient. Price 5 cents.
Bulletin 26. National and State Dairy Laws. (1900.) Price 10 cents.
Bulletin 55. Statistics of the Dairy. Compiled from the United States Census for 1900. Price 10 cents.
Circular 46. The International Dairy Federation and International Dairy Congresses.
Circular 131. Designs for Dairy Buildings.

Circular 135. Officials, Organizations, and Educational Institutions Connected with the Dairy Interests (1908.)
Circular 136. How to Build a Stave Silo.
Circular 139. The Score-Card System of Dairy Inspection.
Farmers' Bulletin 55. The Dairy Herd—Its Formation and Management.
Farmers' Bulletin 106. Breeds of Dairy Cattle.
Farmers' Bulletin 349. The Dairy Industry in the South.
The Dairy Interests and Dairy Markets of Porto Rico, with Notes on St. Thomas and Cuba. (Reprint from Eighteenth Annual Report.)
Utilization of By-Products of the Dairy. (Separate 94 from Department Yearbook, 1897.)
Dairying at Home and Abroad. (Separate 260 from Department Yearbook, 1902.)
Opportunities for Dairying. (Separate 432 from Department Yearbook, 1906.)

MILK AND CREAM.

Bulletin 46. The Milk Supply of Two Hundred Cities and Towns. Price 15 cents.
Bulletin 58. The Fat Testing of Cream by the Babcock Method. Price 5 cents.
Bulletin 59. The Farm Separator—Its Relation to the Creamery and the Creamery Patron. Price 5 cents.
Bulletin 70. The Milk Supply of Twenty-nine Southern Cities. Price 5 cents.
Bulletin 73. The Bacteria of Pasteurized and Unpasteurized Milk under Laboratory Conditions. Price 5 cents.
Bulletin 75. Records of Dairy Cows in the United States. Price 15 cents.
Bulletin 81. The Milk Supply of Boston, New York, and Philadelphia. Price 5 cents.
Bulletin 87. Market Milk Investigations.—II. The Milk and Cream Exhibit at the National Dairy Show, 1906. Price 10 cents.
Bulletin 92. The Milking Machine as a Factor in Dairying. Price 15 cents.
Bulletin 104. Medical Milk Commissions and the Production of Certified Milk in the United States. Price 10 cents.
Bulletin 111. Chemical and Physical Study of the Large and Small Fat Globules in Milk. Price 5 cents.
Bulletin 117. Leucocytes in Milk: Methods of Determination and the Effect of Heat Upon Their Number. (In press.)
Circular 1. Directions for the Pasteurizing of Milk [for home use].
Circular 103. Records of Dairy Cows: Their Value and Importance in Economic Milk Production.
Circular 114. Sanitary Milk Production.
Circular 142. Some Important Factors in the Production of Sanitary Milk. (Reprint from Twenty-fourth Annual Report.)
Circular 143. Milk and its Products as Carriers of Tuberculosis Infection. (Reprint from Twenty-fourth Annual Report.)
Circular 151. Competitive Exhibitions of Milk and Cream as a Method of Improving the Milk Supply. (In press.)
Farmers' Bulletin 42. Facts About Milk.
Farmers' Bulletin 63. Care of Milk on the Farm.
Farmers' Bulletin 201. The Cream Separator on Western Farms.
Farmers' Bulletin 348. Bacteria in Milk.
A Report upon the Examination of Milk. (Reprint from Sixteenth Annual Report.)
Market Milk: A Plan for Its Improvement. (Reprint from Seventeenth Annual Report.)
The Effect of Certain Diseases and Conditions of Cattle upon the Milk Supply. (Reprint from Twenty-fourth Annual Report.)

BUTTER.

Bulletin 57. Studies Upon the Keeping Quality of Butter.—I. Canned Butter. Price 5 cents.
Bulletin 84. Investigations in the Manufacture and Storage of Butter.—I. The Keeping Quality of Butter Made Under Different Conditions and Stored at Different Temperatures. Price 10 cents.
Bulletin 89. Investigations in the Manufacture and Storage of Butter.—II. Preventing Molds in Butter Tubs. Price 5 cents.
Bulletin 114. The Influence of Acidity of Cream on the Flavor of Butter. Price 10 cents.
Circular 56. Facts Concerning the History, Commerce, and Manufacture of Butter.

Circular 100. A Rapid Method for the Determination of Water in Butter.
Circular 126. A Simple Method of Keeping Creamery Records.
Circular 127. Tubercle Bacilli in Butter: Their Occurrence, Vitality, and Significance.
Circular 146. Fishy Flavor in Butter.
Farmers' Bulletin 241. Butter Making on the Farm.
Experimental Exports of Butter, 1897. (Reprint from Fifteenth Annual Report.)
Report Upon Experimental Exports of Butter, 1898–99. (Reprint from Sixteenth Annual Report.)
Renovated Butter: Its Origin and History. (Separate 390 from Department Yearbook, 1905.)

CHEESE.

Bulletin 15. The Cheese Industry of the State of New York. Price 5 cents.
Bulletin 49. The Cold Curing of Cheese. Price 10 cents.
Bulletin 62. The Relation of Bacteria to the Flavors of Cheddar Cheese. Price 5 cents.
Bulletin 71. The Camembert Type of Soft Cheese in the United States. Price 5 cents.
Bulletin 82. Fungi in Cheese Ripening: Camembert and Roquefort. Price 5 cents.
Bulletin 83. The Cold Storage of Cheese. (Experiments of 1903–4.) Price 10 cents.
Bulletin 85. Investigations in the Manufacture and Curing of Cheese.—VI. The Cold Curing of American Cheese. Price 10 cents.
Bulletin 98. Investigations in the Manufacture and Curing of Cheese.—VII. Directions for Making the Camembert Type of Cheese. Price 5 cents.
Bulletin 105. Varieties of Cheese: Descriptions and Analyses. Price 10 cents.
Bulletin 109. Proteolytic Changes in the Ripening of Camembert Cheese. Price 5 cents.
Bulletin 115. Camembert Cheese Problems in the United States. (In press.)
Bulletin 118. Cultural Studies of Species of Penicillium. (In press.)
Circular 145. The Care and Testing of Camembert Cheese. (Reprint from Twenty-fourth Annual Report.)
Farmers' Bulletin 166. Cheese Making on the Farm.
Soft Cheese Studies in Europe. (Reprint from Twenty-second Annual Report.)

POULTRY.

Bulletin 29. American Breeds of Fowls.—I. The Plymouth Rock. Price 15 cents.
Bulletin 56. Digestion Experiments with Poultry. Price 20 cents.
Bulletin 110, Part 1. A Biometric Study of Egg Production in the Domestic Fowl. I. Variation in Annual Egg Production. Price 15 cents.
Circular 5. Blackhead or Infectious Entero-Hepatitis in Turkeys.
Circular 107. Capons and Caponizing.
Circular 119. Notes on Experiments with Blackhead of Turkeys.
Circular 128. White Diarrhea of Chicks. With Notes on Coccidiosis of Birds.
Circular 140. The Egg Trade of the United States.
Farmers' Bulletin 51. Standard Varieties of Chickens.
Farmers' Bulletin 64. Ducks and Geese: Standard Breeds and Management.
Farmers' Bulletin 177. Squab Raising.
Farmers' Bulletin 200. Turkeys: Standard Varieties and Management.
Farmers' Bulletin 234. The Guinea Fowl and Its Use as Food. (Prepared by the Office of Experiment Stations.)
Farmers' Bulletin 236. Incubation and Incubators.
Farmers' Bulletin 287. Poultry Management.
Farmers' Bulletin 357. Methods of Poultry Management at the Maine Agricultural Experiment Station.
Distribution and Magnitude of the Poultry and Egg Industry. (Reprint from Nineteenth Annual Report.)

MISCELLANEOUS.

Bulletin 22. Proceedings of the Second Annual Meeting of the Association of Experiment Station Veterinarians, held at Omaha, Nebr., September 8, 1898. Price 5 cents.
Bulletin 50. German Meat Regulations. With Original Text. Price 5 cents.
Bulletin 94. Investigations in the Use of the Bomb Calorimeter. Price 10 cents.
Bulletin 95. The Bacteriolytic Power of the Blood Serum of Hogs. Price 10 cents.

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Bulletin 100. The Germicidal Value of Liquor Cresolis Compositus (U. S. P.). Price 5 cents.
Bulletin 107. The Analysis of Coal-Tar Creosote and Cresylic Acid Sheep Dips. Price 10 cents.
Bulletin 118. Cultural Studies of Species of Penicillium. (In press.)
Circular 17. Exports of Animals and Their Products.
Circular 61. The Desirability of Phosphates as an Addition to Culture Media for Tubercle Bacilli.
Circular 101. The New Meat Inspection Law and Its Bearing Upon the Production and Handling of Meats.
Circular 123. Instructions for Preparing and Shipping Pathological Specimens for Diagnosis.
Circular 125. The Federal Meat Inspection Service.
Circular 132. A Practical Method for the Detection of Beef Fat in Lard.
Circular 133. Report and Recommendations Regarding Veterinary Colleges in the United States.
Circular 149. A Cold-Storage Evaporimeter.
Circular 150. Regulations Governing Entrance to the Veterinary Inspector Examination.
Office of the Secretary, Circular 29. Test of Roberts's So-called Anti-Abortion Serum.
Farmers' Bulletin 345. Some Common Disinfectants.
Preliminary Catalogue of Plants Poisonous to Stock. (Reprint from Fifteenth Annual Report.)
A Study of the Methods of Canning Meats, with Reference to the Proper Disposal of Defective Cans. (Reprint from Twenty-fourth Annual Report.)
Report of a Commission on Certain Features of the Federal Meat Inspection Regulations. (Reprint from Twenty-fourth Annual Report.)
The Preparation and Use of Tuberculin. (Separate 131 from Department Yearbook, 1898.)
Cattle Dipping: Experimental and Practical. (Separate 130 from Department Yearbook, 1898.)
Distribution of Tuberculin and Mallein by the Bureau of Animal Industry. (Separate 428 from Department Yearbook, 1906.)
Hygienic Water Supplies for Farms. (Separate 457 from Department Yearbook, 1907.)

REGULATIONS.

[The following are the more important regulations in force at the time of compilation of this circular. They are subject to change, and persons requesting any here listed will be supplied with the current regulations.]

Order 136. Regulations for the certification of associations of breeders of purebred live stock and books of record of pedigrees.

Order 139. Regulations governing the inspection, humane handling, and safe transport of animals carried by ocean steamers from the United States to foreign countries.

Order 142. Regulations for inspection and quarantine of horses, cattle, sheep, and other ruminants, and swine imported into the United States.

Order 143. Regulations of the Secretary of Agriculture governing the inspection, disinfection, certification, treatment, handling, and method and manner of delivery and shipment of live stock which is the subject of interstate commerce.

Order 146. To prevent the spread of scabies in sheep.

Order 147. Regulations prescribed in regard to renovated butter in accordance with the act of Congress approved May 9, 1902.

Order 150. Regulations governing the meat inspection of the United States Department of Agriculture.

Order 152. To prevent the spread of scabies in cattle.

Order 158. To prevent the spread of splenetic fever in cattle.

Order 163. To prevent the spread of lip and leg disease (necrobacillosis) in sheep.

O